

Sarah Bordelon Cruise 07 Daily Report

Period covered: 0000 to 2359, 8 December 2010

Vessel science party:

Role	Name	Email
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Integral Scientist	Rene Trudeau	rene@gavityenv.com
Cardno ENTRIX Water Sampler	Nicholas Ellis	nicholas.ellis@cardno.com
Cardno ENTRIX Water Sampler	Kristin Morrison	kristin.morrison@cardno.com

General Location Descriptions:

Southwest of the wellhead 30 km and heading toward the wellhead.

Station numbers/Transect Numbers:

Station SB07-011,	Lat 28.7348	Lon -88.4716,	Filename = COOP7_SB_011_02081210
Station SB07-012,	Lat 28.7143	Lon -88.4209,	Filename = COOP7_SB_012_05081210
Station SB07-013,	Lat 28.6380	Lon -88.2347,	Filename = COOP7_SB_013_09081210
Station SB07-014,	Lat 28.5647	Lon -88.0576,	Filename = COOP7_SB_014_15081210

Daily Operations:

Data Collection	Collected (Y/N)?	File Names	Comment
CTD Casts	Y	See above in "General Descriptions"	
Fluorometry	Y		
LISST	Y		
Dissolved Oxygen	Y		
Sampling – TPH	Y		
Sampling – VOA	Y		
GCMS	N		
Acoustics	N		
MOCNESS	N		
Biota	N		
Other:	N		

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Today's Significant Findings:

Similar findings to the previous casts.

There were significant AquaTracka signals between 1000 to 1400 m depth (0.05 µg/L above background), similar to what we observed on the previous stations on this cruise. Both stations investigated today have a secondary AquaTracka signal that was approximately 100m in thickness centered at 1620m. Very minimal to no DO sags were associated with these AquaTracka signals.

Station SB07-014, had no significant signals in the typical 1100m depth range. However, it did have an AquaTracka signal at 2100m depth.

Operational / Logistical issues:

Operations were going smoothly with a pace of collecting 7-8 stations every 24 hours. However, deteriorating weather conditions in the afternoon coupled with the lost data connection with the CTD and the sample transfer at a near shore station on 12092010 meant that only 4 stations were investigated today. During station SB07-014, communication was lost with the CTD. The CTD data was logged, however, not bottle closed and thus no samples were collected.

Daily Log:

2338 (7 December 2010): Station SB07-011, CTD in water

0346: Station SB07-012, CTD in water

0749: Station SB07-013, CTD in water

1249: Station SB07-014, CTD in water

1312: Lost communication with CTD

1800: After numerous attempts to communicate with CTD, the wire was reterminated. Began transiting to the sample drop off station.

Planned Activities for next 24 hours:

Proposed	SB07-015	28.5488	-88.0190	NOAA	Clean Sweep Grid
Proposed	SB07-016	28.5352	-87.9826		
Proposed	SB07-017	28.3428	-88.2657	B165	R45
Proposed	SB07-018	28.3333	-88.3837	B180	R45
Proposed	SB07-019	28.3511	-88.5017	B195	R45
Proposed	SB07-020	28.4629	-88.703	B225	R45
Proposed	SB07-021	28.5483	-88.7718	B240	R45

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